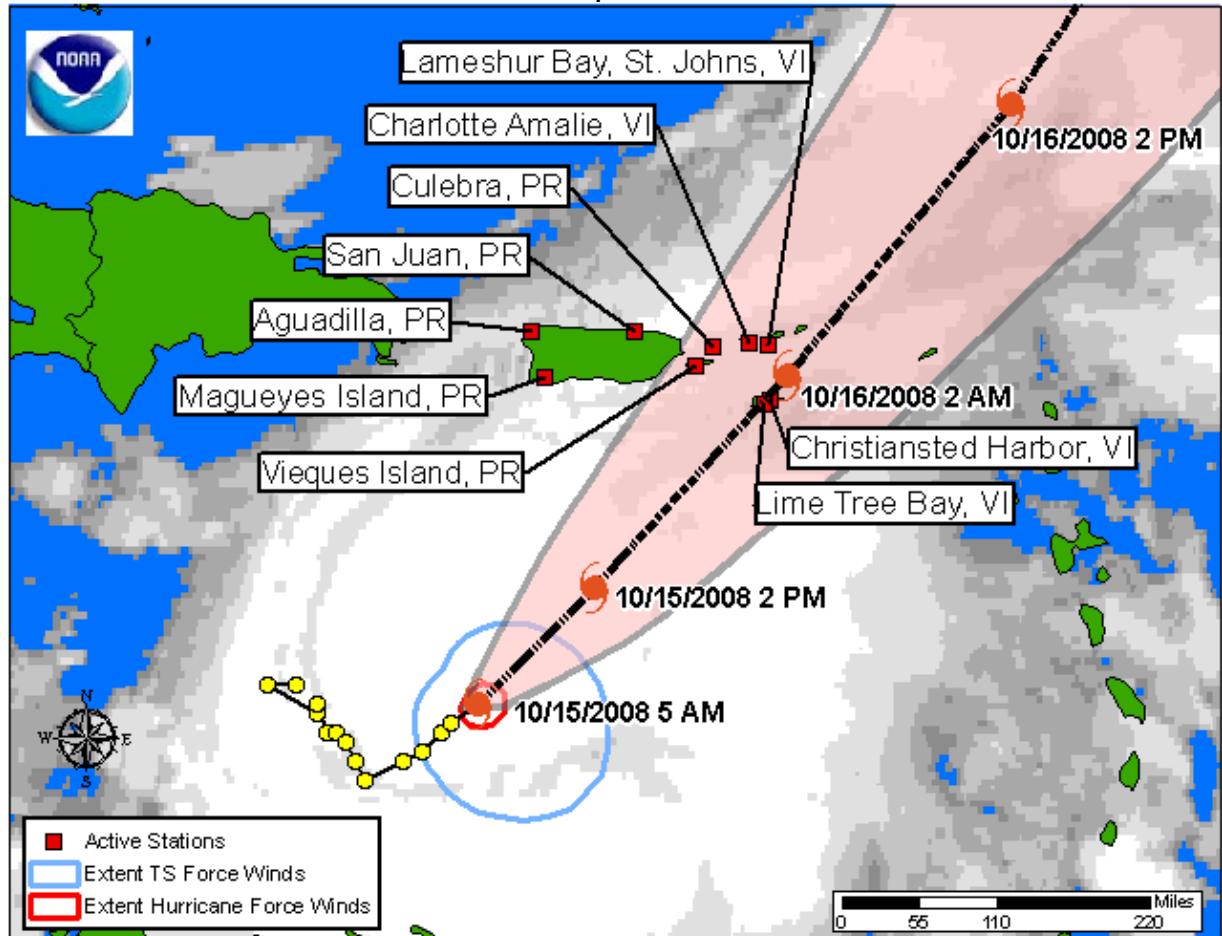


Hurricane OMAR QuickLook
Posted: 06:00 AST 10/15/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/15/2008 06:00 AST, water levels in Puerto Rico and the U.S. Virgin Islands are rising and range 0.2-0.5 ft above predicted. Wind speeds are currently less than 10 knots. Barometric pressure is rising and range 1,007.6 -1,008.4 mb.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Lime Tree Bay, VI: Next predicted high tide is 1.00 ft (0.30 m) at 10/15/2008 10:13 AST.

Christiansted Harbor, St. Croix, VI: Next predicted high tide is 0.80 ft (0.24 m) at 10/15/2008 09:10 AST.

Lameshur Bay, St. Johns, VI: Next predicted high tide is 0.93 ft (0.28 m) at 10/15/2008 09:36 AST.

Charlotte Amalie, VI: Next predicted high tide is 1.12 ft (0.34m) at 10/15/2008 09:35 AST.

Culebra, PR: Next predicted high tide is 1.25 ft (0.38 m) at 10/15/2008 08:48 AST.

Vieques Island, PR: Next predicted high tide is 0.77 ft (0.23 m) at 10/15/2008 08:54 AST.

Magueyes Island, PR: Next predicted high tide is 0.90 ft (0.27 m) at 10/15/2008 10:26 AST.

Aguadilla, PR: Next predicted high tide is 1.58 ft (0.48 m) at 10/15/2008 08:30 AST.

San Juan, PR: Next predicted high tide is 2.10 ft (0.64 m) at 10/15/2008 09:19 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: ND

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE OMAR ADVISORY NUMBER 8

500 AM AST WED OCT 15 2008

OMAR CONTINUES SLOWLY NORTHEASTWARD EXPECTED TO STRENGTHEN

A HURRICANE WARNING IS IN EFFECT FOR THE U.S. VIRGIN ISLANDS AND THE ISLANDS OF VIEQUES AND CULEBRA.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH AND A TROPICAL STORM WARNING REMAIN IN EFFECT FOR PUERTO RICO.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

A HURRICANE WARNING COULD BE REQUIRED FOR PUERTO RICO LATER TODAY.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 500 AM AST 0900Z THE CENTER OF HURRICANE OMAR WAS LOCATED NEAR

LATITUDE 14.6 NORTH LONGITUDE 67.7 WEST OR ABOUT 285 MILES 455 KM SOUTH-SOUTHWEST OF SAN JUAN PUERTO RICO.

OMAR IS MOVING TOWARD THE NORTHEAST NEAR 7 MPH 11 KM/HR AND THIS MOTION IS EXPECTED TO CONTINUE WITH A GRADUAL INCREASE IN FORWARD SPEED OVER THE NEXT DAY OR TWO. ON THE FORECAST TRACK OMAR WOULD MOVE THROUGH THE NORTHERN LEEWARD ISLANDS TONIGHT AND EARLY THURSDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH 120 KM/HR WITH HIGHER GUSTS. OMAR IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES 30 KM FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES 165 KM.

THE MINIMUM CENTRAL PRESSURE ESTIMATED FROM AIR FORCE HURRICANE HUNTER AIRCRAFT OBSERVATIONS IS 985 MB 29.09 INCHES.

OMAR IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 4 TO 8 INCHES OVER PORTIONS OF THE NETHERLANDS ANTILLES WITH MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 2 TO 4 INCHES WITH MAXIMUM AMOUNTS OF 6 INCHES ARE POSSIBLE ACROSS EXTREME NORTHWESTERN AND NORTH-CENTRAL VENEZUELA AND THE NORTHERN GUAJIRA PENINSULA. TOTAL RAINFALL AMOUNTS OF 5 TO 10 INCHES WITH MAXIMUM AMOUNTS UP TO 20 INCHES WILL BE POSSIBLE ACROSS PUERTO RICO AND THE NORTHERN LEEWARD ISLANDS. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

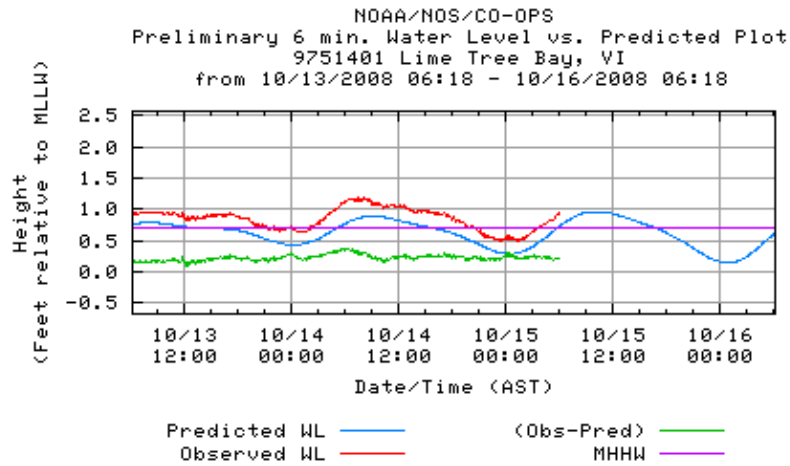
COASTAL STORM SURGE FLOODING OF 1-2 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED NEAR AND TO THE RIGHT OF THE PATH OF OMAR. IN ADDITION OMAR IS EXPECTED TO PRODUCE LARGE SWELLS THAT WILL AFFECT THE WEST- AND SOUTH-FACING COASTS OF PUERTO RICO AND THE ISLANDS OF THE LESSER ANTILLES. THESE SWELLS COULD CAUSE BEACH EROSION AND DAMAGE TO COASTAL STRUCTURES.

FORECASTER PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lameshur Bay, St. John - Water Level](#), [Lameshur Bay, St. John - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Culebra - Water Level](#), [Esperanza, Vieques Island - Water Level](#), [Maguayes Island - Water Level](#), [Maguayes Island - Winds](#), [Maguayes Island - Barometric](#), [Aguadilla - Water Level](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#),

Lime Tree Bay, VI - Station Map [Return to List](#)

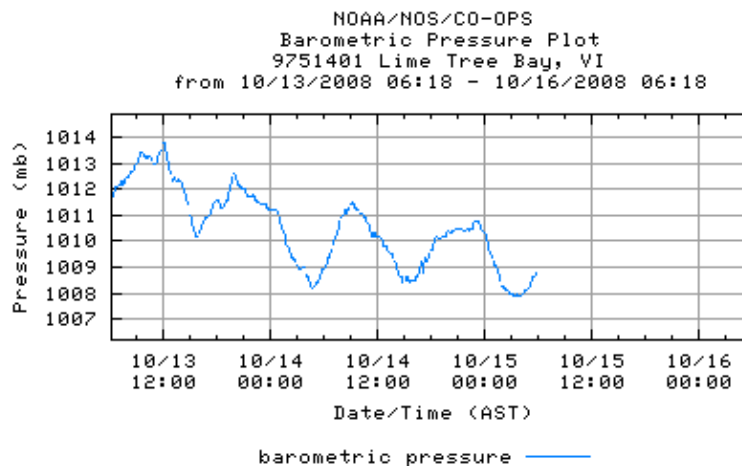


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: **Observed: 0.94 ft. Predicted: 0.72 ft. Residual: 0.22 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

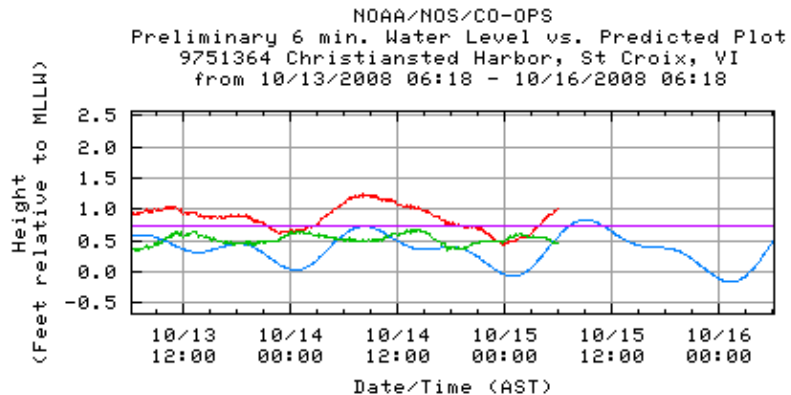
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 05:54 (AST)

Barometric Pressure: 1008.8 mb

Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)

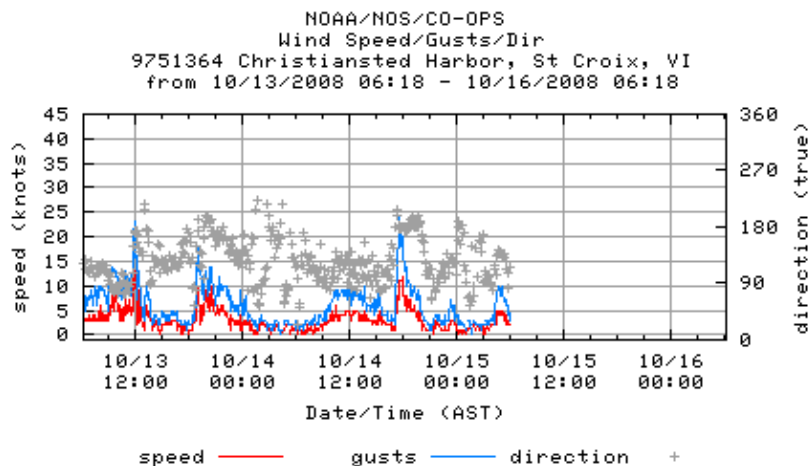


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: **Observed: 1.02 ft.** **Predicted: 0.56 ft.** **Residual: 0.46 ft.**

Historical Maximum Water Level: 10/13/2006, 0.73 ft. above **MHHW**

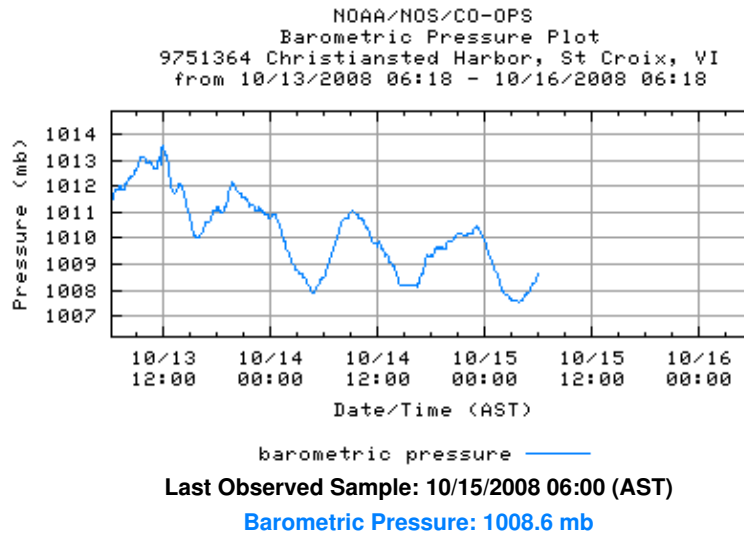
Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)



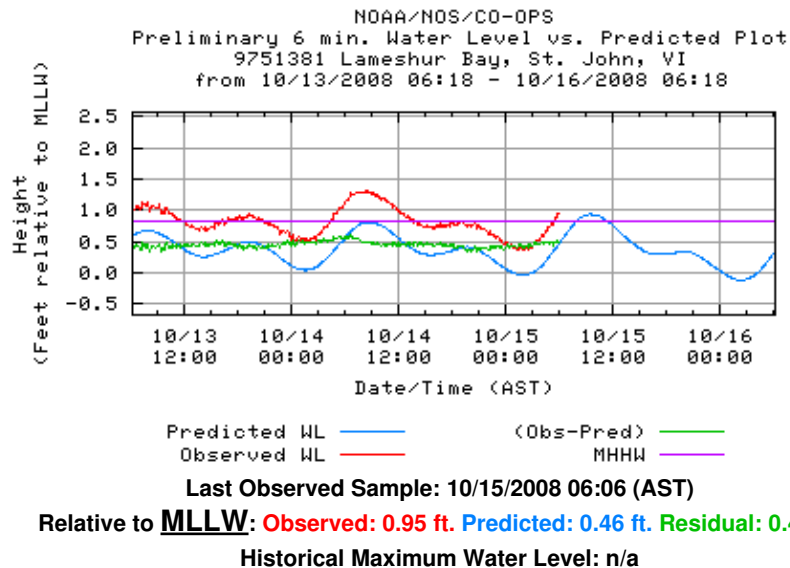
Last Observed Sample: 10/15/2008 06:00 (AST)

Wind Speed: 2 knots **Gusts: 3 knots** **Direction: 117° T**

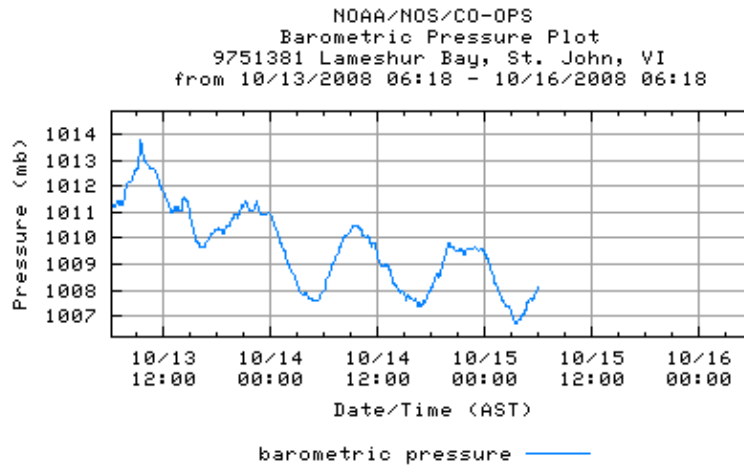
Christiansted Harbor, St Croix, VI - Station Map [Return to List](#)



Lameshur Bay, St. John, VI - Station Map [Return to List](#)



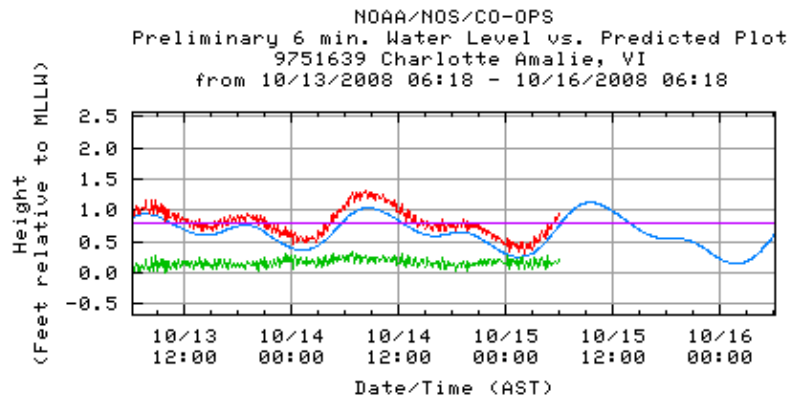
Lameshur Bay, St. John, VI - [Station Map](#) [Return to List](#)



Last Observed Sample: 10/15/2008 06:06 (AST)

Barometric Pressure: 1008.1 mb

Charlotte Amalie, VI - [Station Map](#) [Return to List](#)

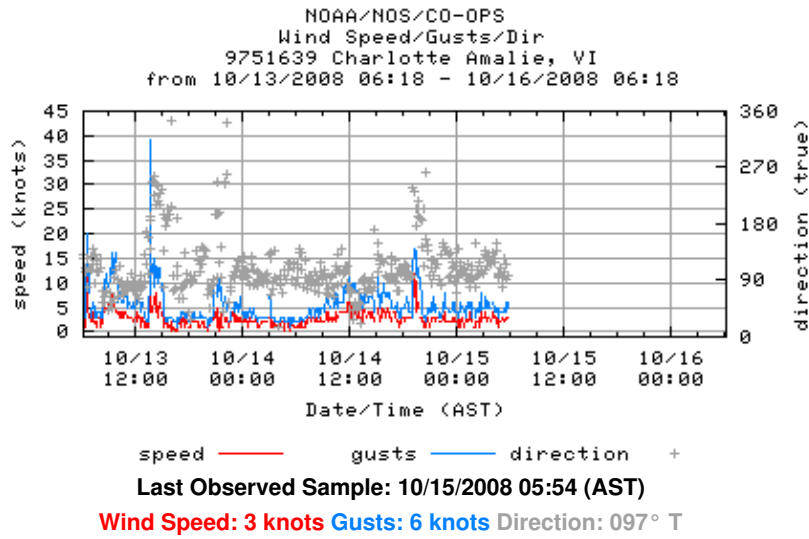


Last Observed Sample: 10/15/2008 06:06 (AST)

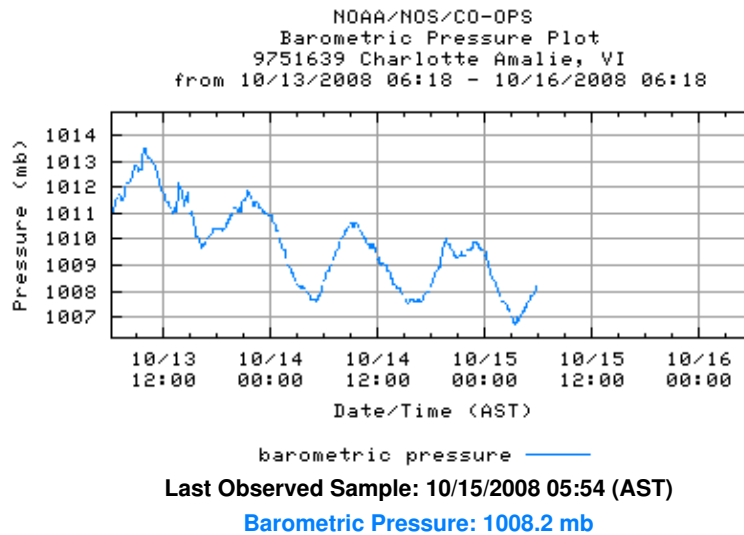
Relative to **MLLW**: **Observed: 0.96 ft. Predicted: 0.75 ft. Residual: 0.21 ft.**

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above **MHHW**

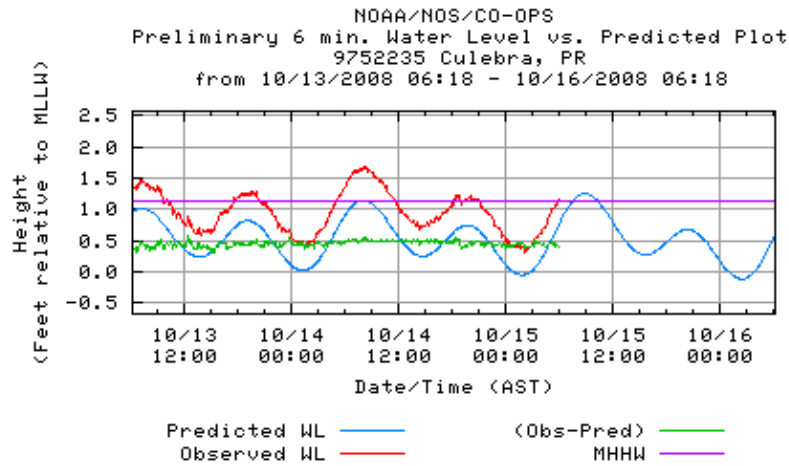
Charlotte Amalie, VI - Station Map [Return to List](#)



Charlotte Amalie, VI - Station Map [Return to List](#)



Culebra, PR - Station Map [Return to List](#)

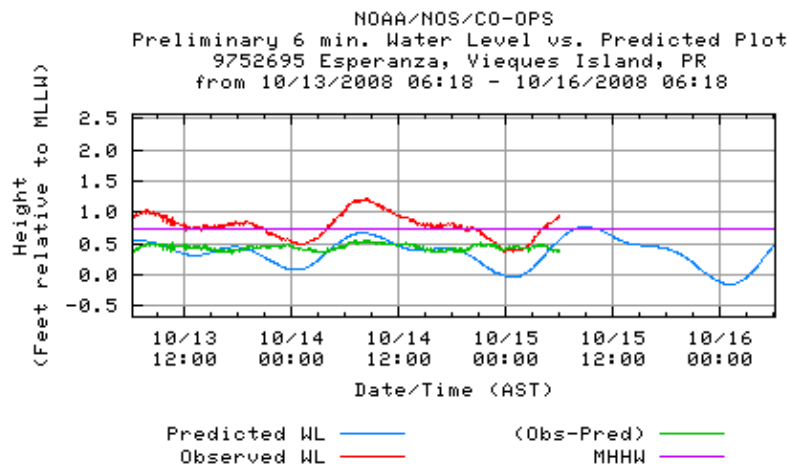


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: **Observed: 1.17 ft. Predicted: 0.77 ft. Residual: 0.40 ft.**

Historical Maximum Water Level: 11/06/2006, 0.86 ft. above **MHHW**

Esperanza, Vieques Island, PR - Station Map [Return to List](#)

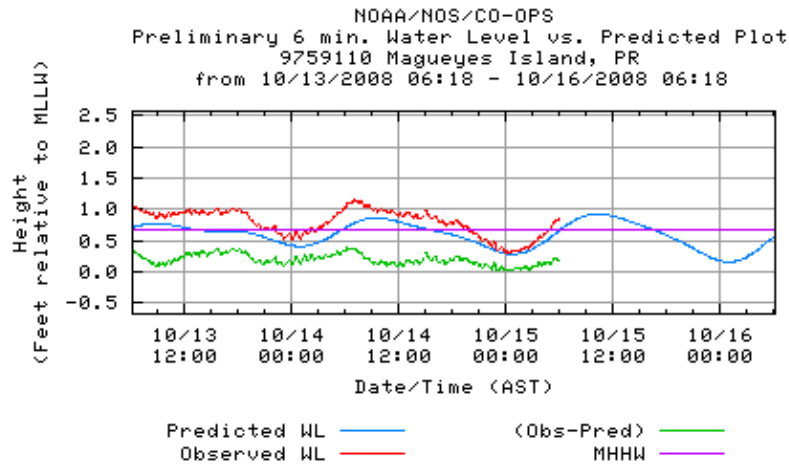


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: **Observed: 0.92 ft. Predicted: 0.55 ft. Residual: 0.37 ft.**

Historical Maximum Water Level: 10/13/2006, 0.83 ft. above **MHHW**

Maguëyes Island, PR - Station Map [Return to List](#)

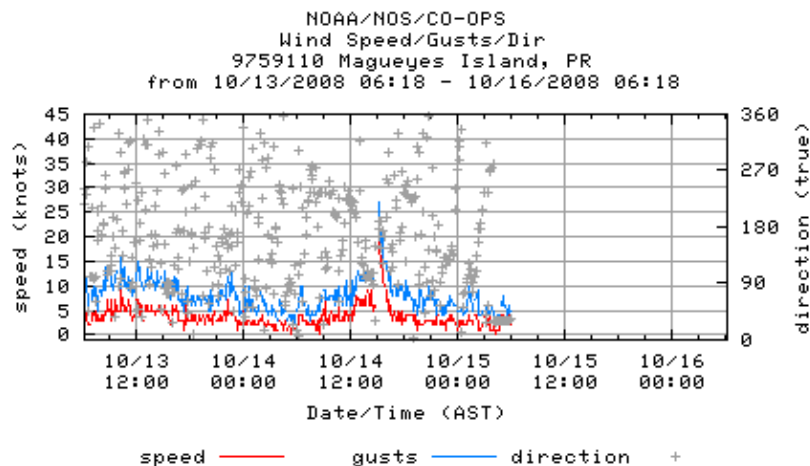


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: **Observed: 0.85 ft. Predicted: 0.66 ft. Residual: 0.19 ft.**

Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**

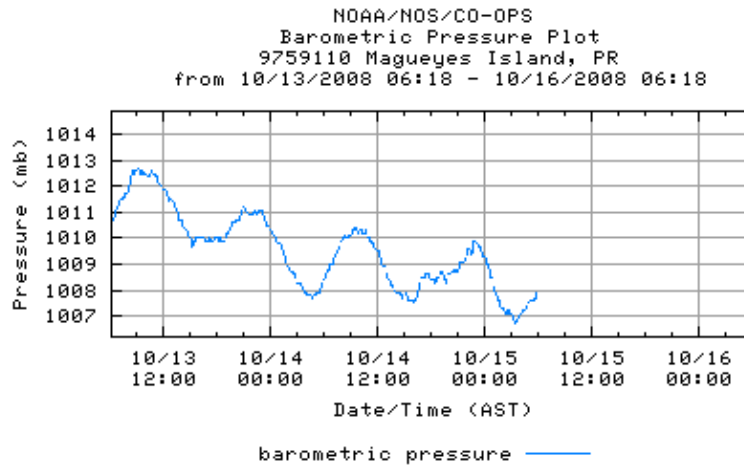
Maguëyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 06:06 (AST)

Wind Speed: 2 knots Gusts: 5 knots Direction: 034° T

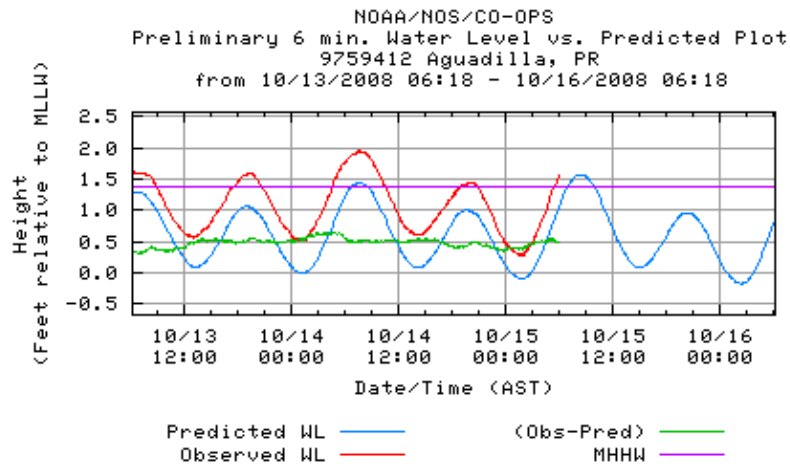
Maqueyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 05:54 (AST)

Barometric Pressure: 1007.9 mb

Aguadilla, PR - Station Map [Return to List](#)

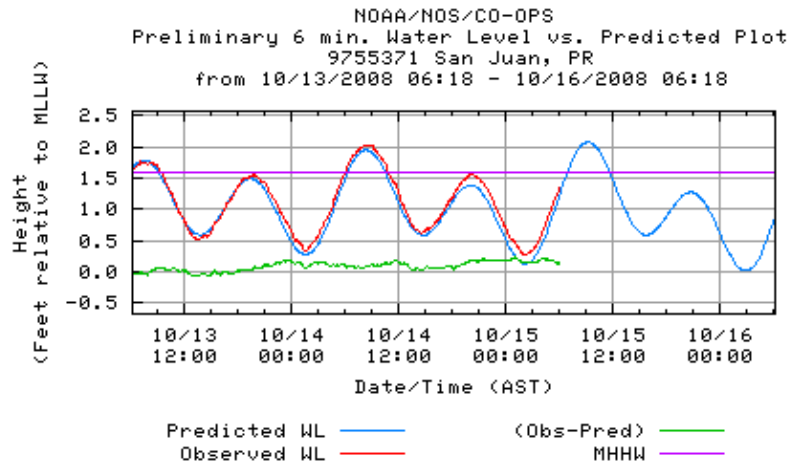


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: Observed: 1.56 ft. Predicted: 1.06 ft. Residual: 0.50 ft.

Historical Maximum Water Level: 10/28/2007, 0.95 ft. above **MHHW**

San Juan, PR - Station Map [Return to List](#)

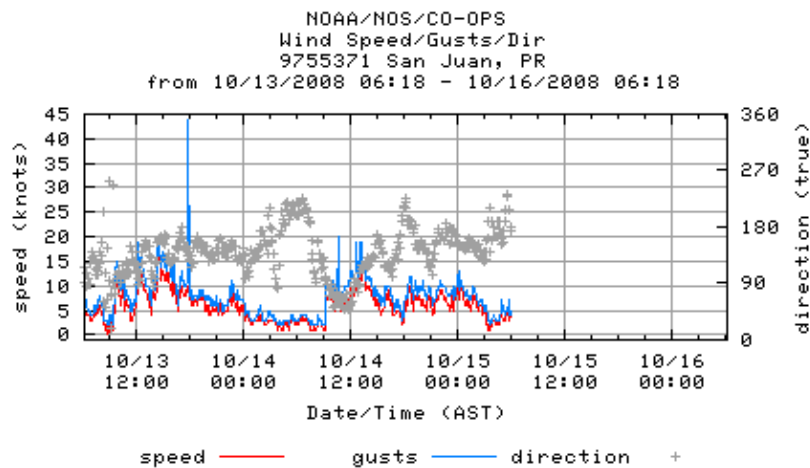


Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to **MLLW**: **Observed: 1.35 ft. Predicted: 1.21 ft. Residual: 0.14 ft.**

Historical Maximum Water Level: 09/21/1998, 1.21 ft. above **MHHW**

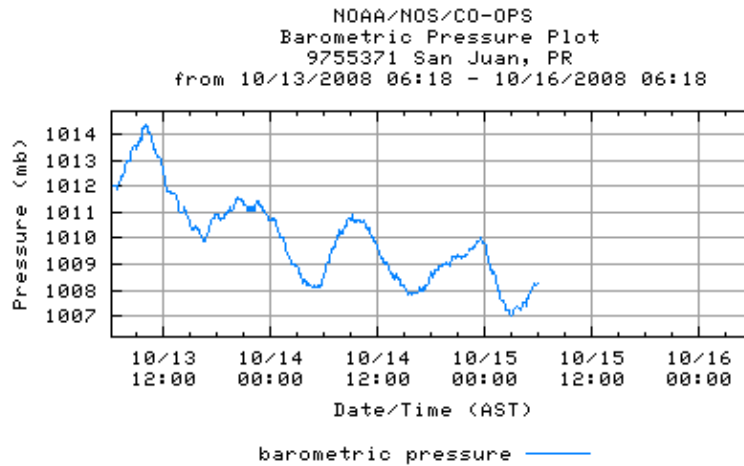
San Juan, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 06:06 (AST)

Wind Speed: 4 knots Gusts: 5 knots Direction: 174° T

San Juan, PR - Station Map [Return to List](#)



Last Observed Sample: 10/15/2008 06:06 (AST)

Barometric Pressure: 1008.3 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce